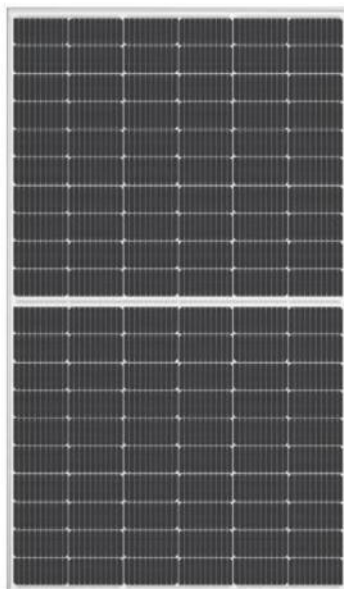


HT60-18X

NEW Large wafer

450W/455W
460W/465W/470W



- Module Efficiency: 21.7%
- No. of Cells 120(6×20)
- Weight 23.0kg
- Dimensions 1909mm×1134mm ×30mm
- monocrystalline 182×91mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.

Website: <https://www.ht-saae.gr>
email: sales@ht-saae-gr

Factory:
Lianyungang Shenzhou New Energy CO., Ltd.



Half cut cell technology
can reduce the
internal power loss
and improve component
overall power.
Excellent heat
dissipation avoids hot
spot production.



The optimized number and
width of main gate lines,
Maximize the light receiving
area of components and
Reduce component power
consumption.



1500V

Designed for high voltage
systems of up to 1500 VDC,
increasing the string length
of solar systems and saving
on BoS costs

25Ys

Product warranty

25Ys

Warranty on power output

EL

Microcrack resistant
Double glass structure
enhance reliability, triple
EL tested of high quality
control.



Entire module certified to
with stand extreme
wind(2400 Pa) and snow
loads (5400 Pa)



2%

All the modules are
sorted and packaged by
amperage, reducing
mismatch losses and
maximizing system output.

5W

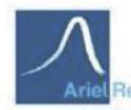
Positive tolerance
0/+5w guaranteed

Anti **PID**

PID resistant

**Comprehensive and first-rate
certification system**

IEC 61215:2016. IEC 61730:2016 Latest Standard
ISO 9001, ISO 14001 and ISO 45001,
meeting the highest international standards
Strict quality control



Electrical Characteristics (STC)

Module Type	HT60-18X				
Maximum Power(Pmax)	450W	455W	460W	465W	470W
Open Circuit Voltage(Voc)	41.33V	41.48V	41.63V	41.78V	41.93V
Short Circuit Current(Isc)	13.90A	13.97A	14.04A	14.11A	14.18A
Maximum Power Voltage(Vmp)	34.78V	34.93V	35.08V	35.23V	35.38V
Maximum Power Current(Imp)	12.95A	13.04A	13.13A	13.22A	13.30A
Module Efficiency	20.8%	21.0%	21.2%	21.5%	21.7%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

Module Type	HT60-18X				
Maximum Power(Pmax)	335W	338W	342W	346W	350W
Open Circuit Voltage(Voc)	39.17V	39.31V	39.46V	39.60V	39.74V
Short Circuit Current(Isc)	11.22A	11.27A	11.33A	11.39A	11.44A
Maximum Power Voltage(Vmp)	32.96V	33.11V	33.25V	33.39V	33.53V
Maximum Power Current(Imp)	10.16A	10.21A	10.29A	10.36A	10.44A

* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Temperature Coefficient of Pmax	γ (Pm)	-0.33%/K
Temperature Coefficient of Voc	β (Voc)	-0.26%/K
Temperature Coefficient of Isc	α (Isc)	0.042%/K

Solar Cells Monocrystalline 182×91mm

No. of Cells 120 (6×20)

Dimensions 1909mm×1134mm×30mm

Weight 23.0kg

Front Glass High transmission tempered glass

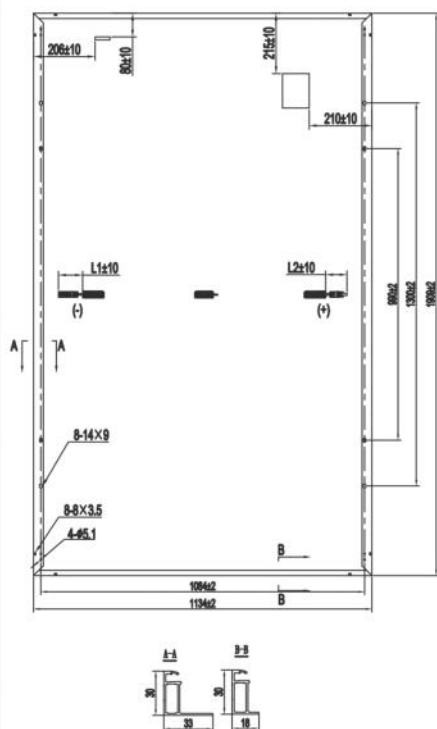
Frame Anodized aluminum alloy

Junction Box IP68

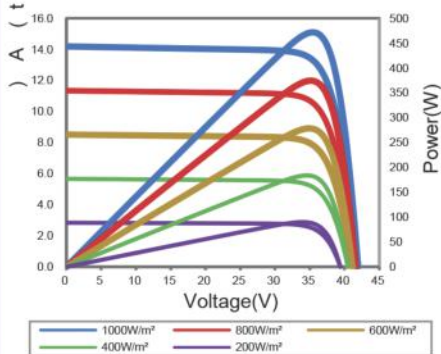
Cable 4mm²(IEC) Length: (+) 200mm, (-)300mm

Connectors MC4 / MC4 Compatible

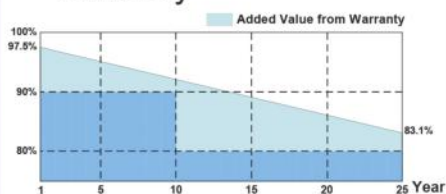
Packaging Configuration 36 pcs/box: 864 pcs/ 40' HQ Container



IV Curves



Warranty



25-year product warranty*

25-year warranty on power output*

* Specific information is referred to the product quality guarantee

*The module recycling should be carried out by the professional institutions at the end of module life cycle

*Copyright@2022V1 Plus Specifications are subject to change without further notification